

ZENKINA, T.A.; LOSKUTOVA, R.A.; DUBININA, A.P.; YEVSTAF'YEVA, L.I.;
SEROVA, N.N. (Kalininograd)

Some problems in the etiology and clinical aspects of pressure
neuritis. Fel'd. i skush. 22 no.12:38-39 D '57. (MIRA 11:2)
(NEURITIS)

SOV/109-3-8-13/18

AUTHORS: Arshanskaya, N.G., Ban'kovskiy, N.G., Gorina, M.Yu.,
Mel'nik, O.N., Serova, M.N. and Legkova, A.A.

TITLE: Thorium-oxide Cathodes for Power Tubes (Oksidno-toriyevyy katod dlya moshchnykh generatornykh lamp)

PERIODICAL: Radiotekhnika i Elektronika, 1958, Vol 3, Nr 8,
pp 1064 - 1072 (USSR)

ABSTRACT: The preparation of the actual thorium-oxide cathodes was effected by the method of electrophoresis, which permitted the manufacture of robust coatings with a smooth surface on various types of the cathode core. The core material for the cathodes was tantalum, since its expansion coefficient is approximately equal to that of thorium oxide. The cores were de-greased, etched, washed and then de-gassed at a temperature of 1,600 °C. Since the attempts to obtain satisfactory coatings by the normal, cataphoretic method were unsuccessful, an ultrasonic-type mixing of thorium-oxide suspension was employed. This was very successful and permitted obtaining coatings of about 40 μ (16 mg/cm^2). The cathode cores were either ribbon-like

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or were in the form of troughs. In either case, they were coated by the cataphoretic-ultrasonic method by employing the so-called technique of "extended meniscus". In this technique, the cathode core is placed horizontally in the vicinity of the surface of the coating suspension and the cathode is lowered until it very nearly touches the substance. In this way, a meniscus is formed; the cathode is then pulled away. The cathodes thus prepared were investigated in three types of experimental tubes. The construction of the first tube (a diode) is shown in Figure 2; this is furnished with a cathode in the form of a cup. The second diode employs a directly heated ribbon-like cathode and its construction is illustrated in Figure 3. This cathode had an emissive surface of 0.5 cm^2 . The third tube had a filamentary cathode, having a diameter of 100μ , which was coated with an oxide to a thickness of $15-40 \mu$. The temperature of the cathodes in the first two tubes was measured by means of an optical micropyrometer, while the temperature of the filamentary cathode was determined from the change of the filament resistance. The influence

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of the activation temperature on the emission characteristics of the cathodes is illustrated in Figures 5 and 6. The three curves of Figure 5 are the Richardson curves for a cathode based on a molybdenum core. Curves 1 and 2 are for cathodes activated at 1600 and 1800 °K, respectively, while Curve 3 is for a cathode activated at 2,000 °K. Figure 6 shows a family of static characteristics; Curve 2 was taken at a temperature of 1,820 °K after a purely thermal activation at a temperature of 1,960 °K, while the remaining curves were taken at various temperatures after the cathode had been activated at a current density of 0.6 A/cm² and a temperature of 1,880 °K. The thermal emission constants of well-activated cathodes were determined from the Richardson graphs (Figure 9) and it was found that the work function was 2.2 to 2.4 eV, while the Richardson constant was about 0.5 to 5 A/cm² per degree². The emission characteristics were also taken by means of short pulses (less than 100 µs) and these are shown in Figure 9 for various activating temperatures. From the curves, it was found that at a

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temperature of 1 860 $^{\circ}$ K, the maximum emission density in the static regime is about 1.5 A/cm^2 , while in the pulse operation, it is about $2-3 \text{ A/cm}^2$; at temperatures of 2,000 - 2 100 $^{\circ}$ K, the pulse emission was $8-9 \text{ A/cm}^2$. The cathodes were also subjected to life tests and it was found that a thorium-oxide layer of about 40μ gives a useful life of 500 hours at a current density of 0.6 A/cm^2 . It was further found that the cathodes do not lose their emission even if the vacuum inside the tubes becomes as low as $5 \times 10^{-5} \text{ mmHg}$. There are 9 figures and 12 references, 7 of which are English, 4 French and 1 Soviet.

SUBMITTED: January 29, 1958

Card 4/4 1. Oxide cathodes--Properties 2. Oxide cathodes--Preparation
 3. Thorium oxide--Applications 4. Tantalum--Applications

18 1280
18 8200

25924

S/126/61/012/001/016/020
E193/E480

AUTHORS: Mes'kin, V.S., Mishkevich, R.I. and Serova, N.Sh.
TITLE: The variation of hardness in technical platinum-tungsten
and palladium-tungsten alloys
PERIODICAL: Fizika metallov i metallovedeniye, 1961, Vol.12, No.1,
pp.140-144

TEXT: The object of the present investigation was to obtain more complete information on the effect of composition on the hardness of Pt-W and Pd-W alloys. The experimental materials contained 10 to 90% W (at 10% intervals). The test pieces for hardness measurements, in the form of discs 2.5 mm in diameter and 0.7 mm thick, were made by the powder metallurgy technique. The powder, mixed in a ball mill, was compacted with the application of a binder (12% solution of bakelite in alcohol) under a pressure of 4 tons/cm². The green Pt-W compacts were vacuum annealed for 1 hour at 850°C, sintered for 20 minutes in vacuo at 1700°C and then cooled to room temperature in 15 to 20 minutes. The Pd-W compacts were sintered for 3 hours in argon at 400 mm Hg at 1300°C, these conditions having been found to give maximum soundness of the sintered material. The results are reproduced graphically

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in Fig.5 and 9. In Fig.5, microhardness (kg/mm^2) of the Pt-W alloys is plotted against the W content (%), graph (b) relating to microhardness of the α -phase (Pt-rich) measured under the load of 50 and 20 g (curves 4 and 5 respectively); curves in graph (a) relate to (1) microhardness of the specimen measured under the load of 200 g; (2) microhardness of the α -phase measured under the load of 50 g and (3) microhardness of the β -phase measured under the load of 50 g. In Fig.9, microhardness (kg/mm^2) of the Pd-W alloys is plotted against the W content (%), graphs (a) and (b) relating to the α and β -phases respectively, curves 1 and 2 showing the results obtained under loads of 20 and 10 g, respectively. The results shown in Fig.5 and 9 relate to alloys cooled at relatively slow rates; the pronounced increase in hardness of alloys containing 70 to 80% W has been attributed to a disorder-order transformation resulting in the formation of a superstructure. This view is supported by the fact that hardness of quenched Pt-W and Pd-W alloys of this composition is considerably lower. Metallographic examination of the experimental specimens confirmed the findings of E.Raub (Ref.8: Zs.Metallkunde, 1958, 48, 2, 53) that 30% tungsten can be dissolved in palladium at room temperature.

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SOV/36-56-60-9/10

AUTHOR: Serova, N. V.

TITLE: Computing the Flow of Heat in Soil in Winter Time (Vychisleniye
potokov tepla v pochve v zimneye vremya)

PERIODICAL: Trudy Glavnay geofizicheskoy observatorii, 1956, Nr 60, pp 80-85
(USSR)

ABSTRACT: The usual method of computing the inflow of heat into frozen soil on the basis of the distribution of temperatures in the soil and by its thermal characteristics presents considerable difficulties. Moreover the method does not cover the upper 20 cm (8") of soil, where the greatest amount of exchange takes place. To obtain more accurate data a new technique involving the use of thermistors is described. Heat transfer is computed with G. Kh. Tseytin's formula. There are 3 figures, 2 tables, and 10 references of which 9 are Soviet and 1 English.

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Determination of Thermal Features of Snow (Cont.)

36-57-69-12/16

capacity increases when snow approaches the zero point (Centigrade) and begins to melt. Reference is made to other scientists in this field, such as G. Abel' and M. Jansson (a Swede). Table 2 surveys the temperature conductivity of snow as established at Koltushi for the winter of 1954-55. The author believes that the coefficient of temperature conductivity does not depend on the density of the snow; in this he contradicts A. A. Kuz'min who assumed a dependence of thermal features of snow on its structure (density). According to Kuz'min, coarse-grained snow (found in the upper layer) is less conductive. There are 3 tables, 2 figures, and 14 references, of which 13 are Soviet and 1 Swedish.

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SERGUN, N.V.

KUCHEROV, N.V.

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PHASE I BOOK EXPLOITATION 807/1733

Leningrad. Glavnaya geofizicheskaya observatoriya

Voprosy fiziki pribuzhnogo sloya vozdukh (Problems in the Physics of the Near-Surface Air Layer). Leningrad, Gidrometeorizdat, 1958, 168 p. (Series: Ita: Trudy, vyp. 77) 1,300 copies printed.

Sponsoring Agency: USSR. Glavnoye upravleniye gidrometeorologicheskoy sluzhby

Ed. (title page): D.L. Leykhtman, Doctor of Physical and Mathematical Sciences; Ed. (inside book): Yu.V. Vlasova; Tech. Ed.: A.S. Sergeyev

PURPOSE: This collection of articles is intended for scientists interested in the processes that take place in the boundary layer of the atmosphere.

COVERAGE: This publication contains 13 articles dealing with the physical processes of near-surface air masses. The research work was done in 1956. The basic work is related to the formation of hoarfrost and fog and to the effect of the condensation processes on thermal conditions. Some articles deal with the methods for measuring and computing the main meteorologic features of the near surface air masses, others with the problem of atmospheric turbulence. The articles are elucidated with charts, diagrams, and tables.

Shchegoleva, V.A. The Relation Between the Non-stable Pressure Fields and the Wind Distribution in a Boundary Layer 65

Ternopol'skiy, A.G. Common Determination of the Nature of Meteorologic Elements and of the Specific Quantitative Features in a Atmospheric Boundary Layer 72

Tsytin, G.E. Certain Methods for Determining the Coefficients of Horizontal Turbulent Diffusion 76

Gorbunova, I.O., T.V. B'yachkova, and N.V. Serova. Results of the Measurement of Specific Thermophysical Properties of Soil Under Natural Conditions 79

Osadchin, L.S., and R.N. Solov'yukh. The Distribution of Industrial Smoke 84

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AUTHOR: Serova, N. V.

50-2-4/22

TITLE: Investigation of the Heat Conditions of the Ground During Wintertime (Issledovaniye teplovogo rezhima pochvy v zimneye vremya).

PERIODICAL: Meteorologiya i Gidrologiya, 1958, Nr 2, pp. 24-27 (USSR)

ABSTRACT: In spite of their importance for several fields of political economy and inspite of many investigations a great number of problems still exist as to the heat conditions of the ground during the winter-time. Especially detailed data on heat characteristics of hard frozen grounds are lacking; up to now no reliable method for their determination could be found. Several investigations were made in order to examine the depth of ground frost according to geographical districts and meteorological conditions. The investigation of heat flow in the ground is of special interest. The quantity and the direction of these flows determine the movement of the boundary of the hard frozen layer. In this paper results of experimental investigations made by the author are given which determine quantitatively the heat

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Investigation of the Heat Conditions of the Ground During
Wintertime

50-2-4/22

values, however, (in the conditions of the Leningrad district) it remains smaller than the negative value of the component of the general flow. The volumes of heat flow through the surface of the snow cover are given on fig. 2. On the same figure also the passing of heat flow through the ground surface of an area bare of snow is shown. A comparison of the obtained values of the heat flow in snowy and bare grounds shows that as regards absolute values, heat flows in the snow are generally smaller than heat flows in grounds bare of snow, i.e. that losses of heat and its influx take place more intensively in bare grounds than in the snow. This can be explained above all by the difference of the values of heat characteristics and especially by differences of heat conductivity on the hard frozen ground and the snow. The values shown on fig. 3 confirm the fact that during winter-time not only the upper layer but also the deeper situated layers of the ground participate in heat exchange in a ground bare of snow.

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Investigation of the Heat Conditions of the Ground During 50-2-4/22
Wintertime

There are 3 figures, 1 table, and 5 references, all of
which are Slavic.

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ZAYTSEV, A.S.; SEROVA, N.V.

Some results of meteorological observations on the Valday
Lake using a specially equipped boat. Trudy GGO no. 150:107-
115 '64. (MIRA 17:7)

L 14568-66 EWT(1) GW

ACC NR: AT6004157

SOURCE CODE: UR/2531/65/000/167/0149/0154 29
28

2/1

AUTHOR: Malevskiy-Malevich, S. P.; Serova, N. V.

ORG: Main Geophysical Observatory, Leningrad (Glavnaya geofizicheskaya observatoriya)

TITLE: Some results of measurements of radiation balance conducted in the spring above a reservoir

SOURCE: Leningrad. Glavnaya geofizicheskaya observatoriya. Trudy, no. 1, 1965. Fizika pogranichnogo sloya atmosfery (Physics of the boundary layer of the atmosphere), 149-154

TOPIC TAGS: total radiation, radiation balance, counterradiation, upwelling longwave radiation, radiometer, meteorological station, albedo, effective radiation

ABSTRACT: Actinometric measurements carried out above the Tsimlyansk Reservoir in early spring, 1963, showed that the radiation balance of the water surface is equal to or even exceeds the total radiation. The measurements were made simultaneously above the reservoir and above dry land. A pontoon was used for measurements on water which was located 2 km from the eastern shore of the reservoir. The radiation balance, total and reflected radiation, the counterradiation of the atmosphere, and the upwelling longwave radiation were measured. The effective radiation of the water surface was computed from measurement data. The radiometer was placed on the pontoon in such a manner that it could be directed toward the water surface for measuring the

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upwelling radiation from the water surface and turned toward the pontoon and shaded from the sun for measuring the counterradiation from the atmosphere. At the same time, counterradiation was measured at the Tsimlyansk Meteorological Station under the same conditions as on the pontoon—daily near noon in May 1963. In general, the effective radiation is very small, and on May 3 it was negative. The albedo of the water surface is also small because the absorption there is very high. The ratio of the radiation balance to the total radiation is near to one and even exceeds it on cloudy days. A diagram in the original article characterizes the dependence of the effective radiation upon the counterradiation from the atmosphere. Orig. art. has: 1 table, 3 figures, and 1 formula. [EG]

SUB CODE: 04/ SUBM DATE: none/ ORIG REF: 003/ ATD PRESS: 4189

PC
Card 2/2

SEROVA, N.V.

Determination of the components of the thermal balance of
reservoirs from a boat. Trudy GG0 no.95:19-24 '63. (MIRA 16:7)
(Water—Thermal properties)

SEROVA, Ol'ga Vasil'yevna; SARKISYAN, Sergey Galustovich; MISAYLOVA,
V.M., red.; AKHANOV, TS.B., tekhn. red.

[The gem of Eastern Siberia] Zhemzhuzhina Vostochnoi Sibir. Ulan-Ude, Buriatskoe knizhnoe izd-vo, 1961. 167 p. (MIRA 15:12)
(Baikal Lake region--Discovery and exploration)
(Baikal Lake region--Natural resources)

KOZMAKHOV, I.O.; Prinimali uchastiye: SEROVA, P.P.; YUKINA, S.I.; KUDAYEV, Kh.,
student; SHCHEPEKOV, S., student

Effect of forest on the microcomplexity of soils. Pochvovedenie no.12:
(MIRA 17:11)
19-26 D '63.

SEROVA, T. A.

SEROVA, T. A. --"Caesarian Section in the Presence of Supposed or Clinically Expressed Infection of the Feminine Organism."*(Dissertations for Degrees in Science and Engineering at USSR, Higher Educational Institutions). Sverdlovsk State Med Inst, Sverdlovsk, 1955

SO: Knizhnaya Letopis' No. 34, 20 August 1955

* For the Degree of Doctor of Medical Sciences

SE

✓Effect of space factors on the properties of dyes containing the biphenyl radical. IV. Study of monoazo dyes. B. M. Krasovitskii and T. A. Serova (A. M. Gor'ki State Univ., Kharkov), *Ukrain. Khim. Zhur.*, 22, 70-5(1960)(in Russian); cf. *C.A.* 50, 9021d.—The effect of substituent X (X stands for NO_2 , Br, CH_3 , CH_3O , CH_3S , HO, H_2N) on the dyeing properties in mol% of the type $\text{XC}_6\text{H}_4\text{C}_6\text{H}_3\text{N:NR}$ was found to be less pronounced than in the corresponding dyes of the $\text{XC}_6\text{H}_4\text{N:NR}$ structure. Introduction of methyl groups into 2,2'-positions markedly decreased the effect of the substituent in the 4'-position along the conjugated double bonds. This prevents the plane adherence of the dyeing mol. on the fiber resulting in an increased dyeability. A. P. Kotloby

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SEROVA, T. A.

Action of steric factors on the properties of dyes containing the biphenyl nucleus. V. Color and substitutivity of diazo dyes from 2,6-dimethylbenzidine and naphthidine. B. M. Krasovitskii and T. A. Serova (A. M. Gorkii State Univ., Kharkov). *Uzem. Khim.* 22, 383-72 (1966) (in Russian).—The following are reported (dye, λ_{max} , in nm in H_2O (*W*), on cellophane (*C*), and the substitutivity (*S*) in %, resp., given): [2,4-Me(RN₂)C₆H₃]₂ (I), 560, 565, 24; 2,4-Me(RN₂)C₆H₃C₆H₄N₂, 560, 805, 37; 2,6,4-Me₂(RN₂)C₆H₃C₆H₄N₂, 585, 585, 12; [4-RN₂C₆H₃]₂ (II), 595, 625, 31; 1-RN₂C₆H₃, 540, 550. — Low values of *S* are due to the planes not being coplanar and so not fitting the carbohydrate structure well. The difference between *W* and *C* is interpreted as due to the rings becoming more coplanar in assocn. with the fabric. Small differences result from structures that are so sterically hindered that they can not alter much. *I* is more hindered than *II*. A low value for *S* is a more sensitive index of non-coplanarity than is the *W-C* difference. John Howe Scott

John Howe Scott

~~SEROVА, KRAZOVITSKIY, LITVINENKO, SEROVA~~

Effect of space factors on the properties of dyes containing a biphenyl nucleus. Part 9: Effect of spatial structure on the color of monoazodyes, derivatives of biphenyl, fluorene, and binaphthyl.
Ukr.khim.zhur. 23 no.4:501-504 '57. (MIRA 10:10)

1.Khar'kovskiy gosudarstvennyy universitet im. A.M. Gor'kogo.
(Stereochemistry) (Azo dyes)

KRASOVITS'YE, B.M.; PIREYASIOVA, D.G.; SEROVA, T.A.

Effect of steric factors on properties of dyes containing the
biphenyl nucleus. Part 10: Absorption maxima of some azo dyes.
Uch. zap. KGU 82:149-152 '57. (MIRA 12:9)
(Azo dyes)(Absorption of light)

SEROVA, T.A.

Late results for the mother and child following a cesarean section in "pure" and in "infected" cases. Sbor.nauch.trud. Kaf. akush. i gin. 1 IMI no. 2:198-204 '61. (MIRA 16:7)
(CESAREAN SECTION)

SEROVA, T.A.

Bacteriological examinations in cases of a cesarean section.
Sbor. nauch. trud. Kaf. akush. i gin. 1 LMI no. 23205-209:61.
(MIRA 16:7)
(CESAREAN SECTION) (PUERPERAL SEPTICEMIA)

LIBERMAN, G. Ya.; SEROVA, T.A., kand. med. nauk

Arrest of atonic hemorrhage in three parturients by bilateral
ligation of the uterine arteries. Akush. i gin. 39 no.4:129-130
(MIRA 16:12)
Jl-Ag'63

1. Iz rodil'nogo doma Gorodskoy bol'nitsy No.23 (glavnnyy vrach
I.A. Kokovikhin), Sverdlovsk.

AFANAS'YEV, A.V.; BLOCHTEYN, F.I.; PETUKHOV, M.S.; MELAMID, M.L.;
KUTOVSKII, M.Ya.; SERGINA, V.D.

Coating concentrates for leather finishing containing a new
synthetic binding agent substituting for casein. Kozh.-obuv.
prom. 7 no.8:11-14 Ag '65. (MIRA 18:9)

LEBEDINSKIY, A.V., red.; SEDOV, V.V., kand. med. nauk, red.; SEROVA, V.P., red.;
SHIROKOVA, Z.S., red.; MAZEL', Ye.I., tekhn. red.

[Transactions. Selected reports by foreign scientists] Trudy. [Izbrannye doklady inostrannykh uchenykh] Moskva, Izd-vo Glav. uprav. po ispol'zovaniyu atomnoi energ. pri sovete Ministrov SSSR. Vol. 9. [Radiobiology and radiation medicine] Radiobiologiya i radiatsionnaia meditsina. Pod obshchey red. A.V.Lebedinskogo. 1959. 515 p. (MIRA 14:7)

1. Vtoraya mezhunarodnaya konferentsiya po mirnomu ispol'zovaniyu atomnoy energii, Zheneva, 1958. 2. Chlen-korrespondent AMN SSSR (for Lebedinskiy)

(RADIOBIOLOGY) (ATOMIC MEDICINE)

ARKHANGEL'SKIY, N., BABAYEV, M., GLADKOV, M., EL'YASHEVICH, Z., KAMYSHKO, A.;
KUZYATIN, G.; KULIYEV, S., MOVSESOV, N., POPOV, A., PORTNOY, T.,
RIZNIK, A., SEROVA, Ye., TARASOV, A., TULIN, V., SHISHKIN, O.,
SHKOL'NIKOV, B., SHTURMAN, L., CHESNOKOV, V., EFENDIZADE, A.

K.N.Kulizade, candidate of engineering. Energ.biul. no. 5:23-24
My '58. (MIRA 11:8)
(Kulizade, Kiazim Novruz, 1908-)

RAKOV, Petr Petrovich; SMIRNOV, Arseniy Sergeyevich; SHTERENBERG,
Aleksandr Iosifovich; SEROVA, Ye.I., vedushchiy red.;
POLOSINA, A.S., tekhn.red.

[Work organization and new techniques in petroleum production;
practice of innovators] Novaia tekhnika i organizatsiia truda v
dobyche nefti; opyt novatorov. Moskva, Gos.nauchno-tekhn.izd-vo
neft. i gorno-toplivnoi lit-ry, 1959. 58 p. (MIRA 13:1)
(Oil fields--Production methods)

BLIZNYUKOV, Yuriy Nikolayevich; KARAKOZOV, Eduard Arkad'yevich;
SMELYANSKIY, Fedor Andreyevich; SEROVA, Ye.I., vedushchiy
red.; POLOSINA, A.S., tekhn.red.

[Introducing new drilling equipment; practice of petroleum
workers of the Chechen-Ingush A.S.S.R.] Vnedrenie novoi
burovoi tekhniki; opyt neftianikov Checheno-Ingushskoi ASSR.
Moskva, Gos.nauchno-tekhn.izd-vo neft. i gorno-toplivnoi
lit-ry, 1959. 92 p. (MIRA 13:1)
(Chechen-Ingush A.S.S.R.--Oil well drilling--Equipment and supplies)

ARKHANGEL'SKIY, Nikolay Konstantinovich; YEVSTIGNEYEV, Konstantin
Nikitovich; TOMASHPOL'SKIY, Leonid Markovich; SEROVA, Ye.I.,
vedushchiy red.; POLOSINA, A.S., tekhn.red.

[Techniques and economics of electric drilling] Tekhnika i
ekonomika elektroburenija. Moskva, Gos.nauchno-tekhn.izd-vo
neft. i gorno-toplivnoi lit-ry, 1959. 120 p. (MIRA 12:11)
(Oil well drilling--Equipment and supplies)

SERJOVA, YE V.

"Lateral Approach in Appendectomy," Khirurgiya, No. 10, 1949.
Cand. Medical Sci. Asst., Chair Surgery & Topographic Anatomy, 2nd Moscow Med.
Inst. im. I. V. Stalin, -cl949--.

SERCOVA, YE. V.

Lungs - Blood Vessels

Anatomical data on venous pulmonary segments. Uch.Zap.Vt.mosk, med.inst. 2, 1951.

Monthly List of Russian Accessions, Library of Congress, April 1952. Unclassified.

SEROVA, Ye.V., kandidat meditsinskikh nauk

Morphology of an arterio-venous fistula of the lung. Khirurgiia 32
no.8:65-66 Ag '56. (MIRA 9:12)

1. Iz kafedry operativnoy khirurgii i topograficheskoy anatomii
(zav. - prof. V.A.Ivanov) II Moskovskogo meditsinskogo instituta
imeni I.V.Stalina.

(FISTULA, ARTERIOVENOUS
pulm., pathol.)

SEROVA, Ye.V.

Topographical anatomy of the nodose ganglion of the vagus nerve.
(MIRA 11:1)
Zhur.nevr. i psikh. Supplement:33 '57.

1. Kafedra operativnoy khirurgii s topograficheskoy anatomiey
(zav. - prof. V.A.Ivanov) II Moskovskogo meditsinskogo instituta
imeni Stalina.
(VAGUS NERVE)

SEROVA, Ye. V.

USSR/Human and Animal Morphology (Normal and Pathological)
Peripheral Nervous System

s-3

Abs Jour : Ref Zhur - Biol., No 12, 1958, No 55077

Author : Serova, Ye. V.

Inst : Moscow Second Institute of Medicine.

Title : The Place Occupied by the Fascicle Ganglion of the Vagus
Nerve in the Peripharyngeal Space and Its Relationship to
Palatine Tonsils and to the Deep Upper Intralymphatic Cervical
Ganglions.

Orig Pub : Uch. zap. 2-y Mosk. med. in-t, 1957, 4, 110-114

Abstract : By using vessel filling methods, dissection methods and
sawing methods applied to frozen corpses, it was shown on 40
human fetuses and newborn babies that the peripharyngeal
space is divided into a cranial and a spinal sections. The
fascicle ganglion of the vagus nerve (FGVN) adjoins the
postero-external part of the internal carotid artery. Here,
also the deep upper intralymphatic cervical ganglions are
situated, numbering 1-6 and adjoining the postero-external
or the antero-external section of the internal jugular vein.

Card : 1/2

SEROVA, Ye.V., Doc Med Sci -- (diss) "Materials on the
question of the effect of inflammatory illnesses of the
palatal tonsil on the vagus nerve and its clinical meaning"
(Anato-experimental Research) Mos 1958, 16 pp. (Second
Mos State Med Inst im N.I. Pirogov) 200 copies (KL, 21-58.92)

- 57 -

SEROVA, Ye.V. kand.med.nauk

Cervical fasciae as described and taught by N.I. Pirogov [with
summary in English] Khirurgija 34 no.4:105-111 Ap '58 (MIRA 11:7)

1. Iz kafedry operativnoy khirurgii i topograficheskoy anatomii
(zav. - prof. V.A. Ivanov) II Moskovskogo gosudarstvennogo meditsinskogo
instituta.
(NECK, anatomy & histology
fascia & musc. (Rus))

SEROVA, Ye.V. (Moskva, B-261, Borovskoye shosse, d.11, kv. 407)

Data on the structure of the lymphatic system of the nodose
ganglion of the vagus nerve. Arkh.anat., gizt. i embr. 35 no.5:
96-98 S-0 '58 (MIRA 11:12)

1. Kafedra operativnoy khirurgii i topograficheskoy anatomi (zav.
prof. V.A. Ivanov) 2-go Moskovskogo meditsinskogo instituta imeni N.I.
Pirogova.

(NERVES, VAGUS, anat. & histol.
lymphatic system of nodose ganglion (Rus))
(LYMPHATIC SYSTEM, anat. & histol.
vagus nerve nodose ganglion (Rus))

SEROVA, Ye.V.; POKROVSKIY, A.V.

Experimental data on abdominalization of the heart. Khirurgiia
36 no. 3:69-73 Mr '60. (MIRA 13:12)
(CORONARY HEART DISEASE) (HEART--SURGERY)

SEROVA, Ye. V., doktor med. nauk (Moskva, Lomonosovskiy pr. d. 23, kv. 407)

Alloplasty of defects of the chest wall using capron. Vest. khir.
(MIRA 15:2)
no.2:6-11 '62.

1. Iz kafedry operativnoy khirurgii i topograficheskoy anatomii
(zav. - prof. G. Ye. Ostroverkhov) 2-go Moskovskogo meditsinskogo
instituta im. N. I. Pirogova.

(CHEST--SURGERY) (NYLON--THERAPEUTIC USE)

SEROVA, Ye.V.; POKROVSKIY, A.V.

Possibility of anastomosis between the coronary sinus and pulmonary vein. Eksp. khir. i anest. 7 no.6:19-23 N-D '62.

1. Iz kafedry operativnoy khirurgii (zav. - prof. G.Ye. Ostroverkhov) II Moskovskogo meditsinskogo instituta imeni Pirogova.
(MIRA 17:10)

SEROVA, Ye.V. (Moskva, V-311, Lomonosovskiy prospekt, d.23, kv.407)

Surgical anatomy of the coronary sinus. Grud. khir. 5 no.5:
24-26 S-0 '63.
(MIRA 17:8)

1. Iz kafedry operativnoy khirurgii (zav. .. prof. G.Ye.
Ostroverkhov) II Moskovskogo meditsinskogo instituta imeni
Pirogova.

SEROVA, Ye.V., doktor med. nauk

Economic lung resections in the light of topographoanatomical
data. Vest. khir. 93 no.11:61-67 N '64.

(MIRA 18:6)

1. Iz kafedry operativnoy khirurgii i topograficheskoy anatomii
(zav. - prof. g.Ye. Ostroverkhov) 2-go Moskovskogo meditsinskogo
instituta imeni N.I. Pirogova.

KOSTIN, B.A., red.; KABANOV, V.I., red.; SEROVA, Ye.V., red.;
BYKOVA, L.B., ved. red.; YAKOVLEVA, Z.I., tekhn. red.

[Assembly and use of safety devices in petroleum and gas
production] Montazh i ekspoluatatsiia prisposoblenii po tekhn-
nike bezopasnosti v neftegazodobyvaiushchhei promyshlennosti.
Izd.2., perer. i dop. Moskva, Gostoptekhizdat, 1963. 212 p.
(MIRA 16:4)
1. Baku. Vsesoyuznyy neftyanoy nauchno-issledovatel'skiy in-
stitut po tekhnike bezopasnosti.
(Oil fields--Equipment and supplies)

ZHAKOV, M.P., professor; SEROVA, Yu.N.

Subtemporal trigeminal-sympathetic novocaine block in inflammatory
diseases. Stomatologija 36 no.2:34-39 Mr-Apr '57. (MLRA 10:6)

1. Iz Chelyustnogo otdeleniya gospital'noy khirurgicheskoy kliniki
Ivanovskogo mediteinskogo instituta.
(NOVOCAINE) (INFLAMMATION) (MOUTH--DISEASES)

IVANOVA, Yekaterina Pavlovna; SEROVA, Zinaida Yakovlevna;
SHCHEPIN, Lev Nikolayevich; SELIVERSTOVA, R.L.; red.

[Short collection of recipes for dishes and culinary
products for the preparation of food for public eating
establishments] Kratkii sbornik retseptur bliud i ku-
linarnykh izdelii dlia predpriiatii obshchestvennogo
pitaniia. Moskva, Ekonomika, 1964. 296 p.
(MIRA 18:5)

SEROVA, Z.Ya.

Respiration of plants subjected to infection. Dokl.AN BSSR 4
no.6:265-269 Je '60. (MIRA 13:7)

1. Otdel fiziologii i sistematiki nizshikh rasteniy AN BSSR.
Predstavлено акад.АН BSSR V.F.Kuprevichem.
(Plants--Respiration)

SEROVA, Z.Ya.

Changes in the peroxidase and catalase activity of plants subjected
to infection. Dokl. AN BSSR 5 no.10:475-477 O '61. (MIRA 15:3)

1. Otdel fiziologii i sistematiki nizshikh rasteniy AN BSSR.
Predstavлено академиком AN BSSR V.F.Kuprevichem.
(Peroxidase) (Catalase) (Plant diseases)

SEROVA, Z.Ya.

Effect of fungus and virus infection on the enzyme apparatus of food plants. Dokl. AN BSSR 6 no.12:805-808 D '62. (MIRA 16:9)

1. Laboratoriya Fiziologii i sistematiki nizshikh rasteniy AN BSSR.
Predstavлено академиком AN BSSR V.F.Kuprevichem.

BUKREVICH, V.P.: SEROV, I. F.

Oxidation metabolism in rye as related to the developmental dynamics of *Puccinia dispersa* trikts. et Renn. Dokl. AN BSSR 9 no. 8:558-562 Ag '65. (MIRA 18110)

1. Otdel fizicheskii i sistematiki rasteniy AN BSSR.

KUPREVICH, V.F.; SHCHERBAKOVA, T.A.; SEROVA, Z. Ya.; KISELEVA, N.N.;
SAMUYLENKO, A.I.; REUTSKAYA, L.N.

Physiological changes in rye infected with rust. Dokl. AN BSSR
9 no. 11:758-760 N '65 (MIRA 19:1)

1. Otdel fiziologii i sistematiki nizshikh rasteniy AN BSSR.

YEDNERAL, Petr Prokof'yevich; KONSTANTINOV, Ivan Georgiyevich;
SEROVATIN, A.I., inzh., retsenzent; VINOGRADOV, G.A., kand.
tekhn.nauk, red.; PILIPENKO, Yu.P., inzh., red.;
GORNOSTAYPOL'SKAYA, M.S., tekhn.red.

[Theory of plastic deformations and the press working of metals]
Teoriia plasticheskoi deformatsii i obrabotka metallov davleniem.
Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1960. 341 p.
(MIRA 14:4)

(Deformations (Mechanics)) (Metalwork)

SEROVATIN, Andrey Ivanovich; KOSTIN, L.G., redaktor; LIBERMAN, S.S.,
redaktor; ANDREYEV, S.P., tekhnicheskiy redaktor.

[Methods of calculating principal and secondary equipment of rolling
mills] Metodika rascheta osnovnogo i vspomogatel'nogo oborudovaniia
prokatnykh tsakhov. Khar'kov, Gos.nauchno-tekhn.izd-vo lit-ry po
chernoi i tsvetnoi metallurgii, 1955. 105 p.
(MLRA 9:4)
(Rolling mills)

BESSMERTNYY, I.R.; SEROVATIN, A.I.

Improve the quality of sheet steel. Met. i gornorud. prom.
(MIRA 18:5)
no.2:82-83 Mr-Ap '65.

BAKDIKHS, T.S., ZEROVAYKIN, YE.

Fuel Pumps

Mounting, adjustment, and regulation of fuel tanks for diesel engines. Tekhnosvet MTS
13 no. 2, 1952.

Monthly List of Russian Acquisitions, Library of Congress, November 1952. UNCLASSIFIED

COUNTRY : GDR
CATEGORY : Physical Chemistry. Thermodynamics. Thermochemistry. Equilibria. Phase Transitions.
B
ABS. JOUR. : RZKhim., No. 1 1960, №.469
AUTHOR : Rombock, L.; Serowy, F.
INST. :
TITLE : Method of Separation of Multicomponent Solutions of Alkali Salts
ORIG. PUB. : J. prakt. Chem., 1959, 8, No 1-2, 17-27
ABSTRACT : Experiments were conducted for the separation of pure alkali salts from multicomponent solutions by the method of crystallization in vessels separated by glass partitions into 10 parts with decreasing temperature along the vessel. In the mutual system of Na, K || NO₃, Cl + H₂O it was possible to achieve the crystallization
*Physicochemical Analysis

CARD: 1/2

B-32

COUNTRY :
CATEGORY :
ABS. JOUR. : RZKhim., No. 1 1960, №.469
AUTHOR :
INST. :
TITLE :
ORIG. PUB. :
ABSTRACT : of NaCl in a hot part and of KNO₃ in a cold part of the vessel. The advantages of this method over isothermic evaporation are pointed out.-- N. Timofeyeva
cont'd

CARD: 2/2

SEROZHENKO, L.S.

Purulent pericarditis and methods of treating it. Sov.med.19
no.7:54-56 J1 '55. (MLRA 8:10)

1. Iz kliniki obshchey khirurgii Severo-Osetinskogo mediteinskogo instituta (zav.-prof. K.I.Ovnatanyan)
(PERICARDITIS
purulent, surg.)

LUDVICKA, Ewa; MUSIELAK, Maria; RUDOLSKA, Zofia

Effect of acridine orange on the content of desoxyribonucleic acid (DNA) in bacteria 180 in ml %. Notatki nr. 4:
17-02-1974 - 2. 1. 4

1. w Pracowni Nr. 8 Zakladu Sztucznej Organizacji Bielizny
Akademii Nauk w Warszawie (Kierownik: prof. dr. R. Bedollański).

SHEVANDIN, Ye.M.

SHEVANDIN, Ye.M.; RAZOV, I.A.; SERPENINOV, B.N.

Investigating the process of destruction of specimens of various sizes and computing the effect of yielding in the load system.
Zav.lab.22 no.11:1338-1342 '56. (MLRA 10:2)
(Metals--Testing)

SHEVANDIN, Ye.M.; RAZOV, I.A.; RESHETNIKOVA, R.Ye.; SERPENINOV, B.M.

On the nature of the scale effect in the breakdown of metals.
Dokl. AN SSSR 113 no.5:1057-1060 Ap '57. (MIRA 10:7)

1. TSentral'nyy nauchno-issledovatel'skiy institut imeni
A.N.Krylova. Predstavлено akademikom A.F. Ioffe.
(Steel--Testing)

SERPENINOW, S. N.

AUTHOR SHEVANDIN, Ye. M., RAZOV, I. A., RESHETNIKOVA, R. B., SERPENINOW, S. N. 20-5-31/67

TITLE On the Nature of the Scale Effect in the Case of Fracture of Metals.
(O prorode masshtabnogo effekta pri razrushenii metallov - Russian).PERIODICAL Doklady Akademii Nauk SSSR, 1957, Vol 113, Nr 5, pp 1057-1060(U.S.S.R.)
Received 6/1957 Reviewed 6/1957

ABSTRACT The present paper investigates the scale effect on different kinds of fracture of metals. The most important investigations were carried out on samples which were cut out of a 60 mm thick steel blade of the type S CH L-1. The tests consisted of a statistical flexure by a force concentrated in the middle of the span length. (The samples are longitudinal square prismus). The influence of the scale in the case of a completely tough fracture was investigated by means of the "method of the marked cracks". Here the sample with a separating grid attached in the incision was subjected to a gradually intensified flexure, the local plastic deformation was measured with the aid of the grid and the lengths of all incisions were determined on the occasion of their production and during their further development. The characteristics stages of the fracture were the following: occurrence of the first cracks, destruction of the surface of the bottom of the incision, complete fracture of the sample, separation into parts. The results of the experiments with the samples of the first series are compared in a schedule. The first cracks occur independent of the dimensions of the sample with practically the same deformation, the influence of the scale appears and intensifies only in later stages of the fracture. In a second series of experiments a similar develop-

Card 1/2

FEDULOV, A.I.; KAMENSKIY, V.V.; SERPENINCV, B.N.; AKULOV, Ye.F.

Laboratory testing machine for studying the breaking of rocks
with an impact load. Trudy Inst. gor. dela Sib. otd. AN SSSR
no.6:63-77 '61. (MIRA 15:9)
(Rocks—Testing)

FEDULOV, A.I.; KAMENSKIY, V.V.; SERPENINOV, B.N.

Unit for studying strains caused by a blow. Trudy Inst. gor.
dela Sib. otd. AN SSSR no.6:79-89 '61. (MIRA 15:9)
(Rocks—Testing) (Strains and stresses)

FEDULOV, A.I.; KAMENSKIY, V.V.; SERPENINOV, B.N.

Measuring forces in impact loads. Trudy Inst. gor. dela Sib.
otd. AN SSSR no.6:99-114 '61. (MIRA 15:9)
(Cathode ray oscillograph) (Rocks—Testing)

SERFENINOVA, V. S.

SERFENINOVA, V. S.--"Attempt to Cure Chronic Aging and Recurring Osteomyelitis (Bullet-Wounds and Hematogenic) by Radical Sequestrectomy with Subsequent Filling of the Bone Cavity with Muscles on a Support and Superposing a Closed Suture" *(Dissertation for Degrees in Science and Engineering Defended at USSR Higher Educational Institutions.) Tomsk State Medical Inst imeni V. M. Molotov, Tomsk, 1955

SO: Knizhnaya Letopis', No. 25, 18 Jun 1955

* For Degree of Candidate in Medical Sciences

SERPENSKIY, V.A.

Specialists of high drilling speeds. Neft.khoz. №7 no.3:69-71
Mr '59. (MIRA 12:5)
(oil well drilling)

BABALYAN, G.A. SERPENSKIY, V.A.

Results of the scientific research of institutes for 1963
and the economic effectiveness of their industrial application.
Neft. khoz. 42 no. 3:57-65 Mr '64. (MIRA 17:7)

1. Ufimskiy neftyanoy nauchno-issledovatel'skiy institut
(for Babalyan). 2. Krasnodarskiy filial Vsesoyuznogo
neftegazovogo nauchno-issledovatel'skogo instituta
(for Serpenskiy).

SERPER A.

Clem Contribution to the fight against helminthiases in the Romanian's People's Republic. I. The synthesis of hexylresorcinol. C. N. Ionescu, S. Groszkowski, and A. Serper (Pharm. Fac., Bucharest). *Acad. rep. populare Române, Studii cercetări chim.* 3, 13-18 (1955).—This series of papers describes not so much the synthesis of new compds., but rather the synthesis of known compds. from raw materials easily available in Romania. BuOH is transformed into BuBr, which treated with NaCH(CO₂Et)₂ forms BuCH(CO₂Et)₂, which, after treatment with KOH and H₂SO₄, yields caproic acid (I). I treated with resorcinol in the presence of ZnCl₂ yields caproylresorcinol (II), b₁ 205-8°, b₂ 184-5°, m. 55-6°; oxime, shows m. 189-91° (from 50% EtOH). II undergoes a Clemmensen reduction to furnish hexylresorcinol in 70.5% yield. W. Jacobson

3

Serper, Ana

PUSCARU, E.
SUCIUIC (In caps); Given Name

7

Country: Rumania

Academic Degrees: Conf.

Affiliation: *)

Source: Bucharest, Farmacia, No 6, 1961, pp 345-350.

Data: "Studies on the N-Methyl Series of Piperazine. II. Cynamic Acid Derivatives."

Co-authors:

ADITA, V., Dr.
SERPER, Ana, Pharmacist
IORESCU, Margareta, Pharmacist
HOCIURO, Jana, Pharmacist
GASNET, Ana, Pharmacist

SPATARU, Rodica, Pharmacist

*) Work carried out at the Pharmaceutical Chemical Laboratory of the Faculty of Pharmacy (Laboratorul de Chimie Farmaceutica al Facultatii de Farmacie), Bucharest.

SILKWOOD, 1961

- Bucharest, Romania, Vol X, No 2, pp 62
 1. "The Sixth Edition of the USSR Pharmacopoeia," Prof.
 P. ANTONIU, JOURNAL OF PHARMACEUTICAL SCIENCES,
 BUCHAREST, pp 67-68.

2. "The Position of Catecholamine in the Enzymatic Complex
 of the Nerves," Prof. PAUL LADOCUMĂNDĂREANU,
 pp 77-79.

3. "Investigations in the Mescaline-Promazine Series (III)
 Nitroprophylic Acids and Nicotinic Acid Derivatives with
 Positive Cholinomimetic Action," Prof. PAUL LADOCUMĂNDĂREANU,
 Dr. V. DOLIN, Sam MANZELLA, Nicolae MIRCEA, and Ion RADUȚIU,
 Farm. ROMANA, BUCURESTI, pp 81 and 83. "Synthesis and Farmacological
 Properties of New Compounds (Promazine-Derived) of the Series
 -Lactam (Cyclic Pyrrolidine) (Pachetă); Prof. PAUL
 LADOCUMĂNDĂREANU (Facultatea de Farmacie) (București); pp 81-
 85.

4. "Investigations on the Anticholinolytic Activity of
 Certain Heterocyclics, Part II. In vitro
 Investigations on the Non-Selective Cholinomimetic
 Drugs," prof. PAUL LADOCUMĂNDĂREANU, Dr. DANIEL
 DR. ELENA, Dr. MARINA, and Dr. IRINA GHEORGHE-
 DR. ELIA, Farm. ROMANA, BUCURESTI,
 THE ROMANIAN ACADEMY, BUCHAREST, 1961.

(BUCHAREST, pp 31-32).

5. "Reducing Agents from Cactus," in: The Chemistry
 and Technology, Prof. S. STANESCU, pp 50-55.

6. "On the Antidiabetic and Antihypertensive Action of Cate-
 chin Extract Substituted by Phenylhydrazine," Prof. PAUL
 LADOCUMĂNDĂREANU, Dr. DANIEL DR. ELENA, Dr. MARINA,
 Dr. IRINA GHEORGHE-DR. ELIA, Farm. ROMANA, BUCURESTI,
 INSTITUTE OF PHYSIOLOGY, FORMICINE, AND MEDICAL
 POLYCLINIC (BUCURESTI); English Summary,
 pp 90-105.

7. "Sodium Bicarbonate Perfusion," Farm. DR. LĂPUȘĂ and
 FERDINA BODNARU, pp 107-110.

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001548130009-0"

ROMANIA

ZOTIN, I., Pharmacist; CERPER, Ana, Pharmacist; POPESCU, Margareta,
Pharmacist; ASCIUNG, Jana, Pharmacist; GABER, Ana, Pharmacist.

Rev. Rom. Farmacol., No 7, Jul 63, pp 403-409

"Research on the N-methylpiperazine series. . . Synthesis of Certain
Acyl Derivatives Acting upon the Central Nervous System."

SERPM, A. M.

Wine and Wine Making--Accounting.

Method of recording losses of wine during storage. Vin. SSSR 12 No. 7 1952.

Monthly List of Russian Accessions, Library of Congress, October 1952. UNCLASSIFIED.

SERPER, Yu.D., inzh.

Reconstruction of the circuit for automatic cut in of re-serves of high-pressure feed pumps. Elek.sta. 31 no.1:
82-84 Ja '60. (MIRA 13:5)

(Pumping machinery)
(Electric power plants--Equipment and supplies)

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001548130009-0

SVRPSR, Yu.D.

Automatic device for proportioning malt. Sprt.prom. 26 no. 9:21-25
'60. (MIRA 13:11)

(Grains--Weights and measures)

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001548130009-0"

SERPER, Yu.D.

Improving the circuit of the RSI-1 and RSI-2 pulse-counting
relays. Priborostroenie no.12:19-20 D '61. (MIRA 14:12)
(Pulse techniques (Electronics))

SERPER, Yu.D.

Automatic level control in containers. Spirt. prom. 27 no.6:
28-31 '61. (MIRA 14:9)
(Distilling industries--Equipment and supplies)
(Liquid level indicators)

SERPICHEV, I.

For whom the laws are not written. Sov. profsoiuzy 4 no.7:
49-51 J1 '56. (MLRA 9:10)

1. Predsedatel' Tul'skogo obkoma profsoyuza rabotnikov
gosudarstvennoy torgovli i obshchestvennogo pitaniya.
(Tula Province--Food industry)

SERPICHEVA, Z.S., inzh.

Methods for calculating and planning efficient organization of
milking by machinery. Nauch..trudy VIESKH 6:86-116 '59.
(MIRA 13:12)
(Milking machinery)

SERPIK, B.I.

Method of determining lateral influx of water into the river. Trudy
GGI no. 43:113-143 '54.
(Rivers) (MIRA 12:1)

SERPİK, N. M.

2

✓ Effect of the Form of Pearlite and the Ferrite Grain Size on the Properties of Steel Castings. M. M. Kantor and N. M. Serpik. (Litinco Proizvodstvo, 1955, (5), 19-21). [In Russian]. An investigation is described of the effect of the form of the structural components of annealed steel castings on various mechanical property parameters. Specimens were subjected to various heat-treatments giving lamellar or granular pearlite. The tensile properties were determined and related to the form of the pearlite.--S.K.

D J S P
M M

SERPIK, N.M., inzhener.

Investigating the wear resistance of blades used in excavating
machines. Stroi. i dor. mashinostr. 2 no. 5:17-18 My '57.
(Excavating machinery) (MLRA 10:6)

157-58-1-3417

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 2, p 162 (USSR)

AUTHORS: Serpik, N. M., Bekerman, Ye. A.

TITLE: Heat Treatment of Low-Alloy Steel Castings (Termicheskaya obrabotka otlivok iz nizkouglerodistoy stali)

PERIODICAL: Tekhnol. transp. mashinostroyeniya, 1957, Nr 7, pp 11-13.

ABSTRACT: Eleven different heat treatment schedules for 8 melts of steel of the following percent composition: C 0.17-0.24, Mn 0.65-0.79, S 0.028-0.032, P 0.020-0.028, Si 0.28-0.33, were tested to clarify the effects of deviations in the heat temperatures and holding time upon the mechanical properties of steel, and also to determine the advantages of localized annealing (LA) over low-temperature treatment and the possibility of air cooling of steel when LA is performed. It was found from mechanical testing (for σ_b , σ_s , δ and ψ) and metallographic investigation that LA is a cheaper operation than low-temperature annealing and more conducive to improving plastic properties. Annealing followed by air-hardening is the most advantageous procedure. Temperature fluctuations from Ac_1 to $Ac_1 + 60$, and holding time fluctuations from 15 to 90 minutes do not affect the mechanical properties.

A. B.

Card 1/1

1. Steel castings-Heat treatment.

FEDULOV, A.I.; KAMENSKIY, V.V.; SERPENINOV, B.N.

Measuring forces in impact loads. Trudy Inst. gor. dela Sib.
otd. AN SSSR no.6:99-114 '61. (MIRA 15:9)
(Cathode ray oscillograph) (Rocks—Testing)

CHERKASHINOVА, V. S.

CHERKASHINOVА, V. S.--"Attempt to Cure Chronic Aging and Recurring Osteomyelitis
(Bullet-Wounds and Hematogenic) by Radical Sequestrectomy with Subsequent Filling
of the Bone Cavity with Muscles on a Support and Superposing a Closed Suture"
*(Dissertation for Degrees in Science and Engineering Defended at USSR Higher
Educational Institutions.) Tomsk State Medical Inst imeni V. M. Molotov, Tomsk, 1955

SO: Knizhnaya Letopis', No. 15, 18 Jun 1955

* For Degree of Candidate in Medical Sciences

SERPENSKIY, V.A.

Specialists of high drilling speeds. Neft.khoz. № 37 no. 3:69-71
Mr '59. (MIRA 12:5)
(Oil well drilling)

BABALYAN, G.A. SERPENSKIY, V.A.

Results of the scientific research of institutes for 1963
and the economic effectiveness of their industrial application.
Neft. khoz. 42 no. 3:57-65 Mr '64. (MIRA 17:7)

1. Ufimskiy neftyanoy nauchno-issledovatel'skiy institut
(for Babalyan). 2. Krasnodarskiy filial Vsesoyuznogo
neftegazovogo nauchno-issledovatel'skogo instituta
(for Serpenskiy).

SERPER 4

Chem Contribution to the fight against helminthases in the Romanian's People's Republic. I. The synthesis of hexylresorcinol. C. N. Ionescu, S. Groszkowski, and A. Serper (Pharm. Fac., Bucharest). *Acad. rep. populare Române, Studii cercetări chim.*, 3, 13-18(1955).—This series of papers describes not so much the synthesis of new compds., but rather the syntheses of known compds. from raw materials easily available in Romania. BuOII is transformed into BuBr, which treated with NaCH(CO₂Et)₂ forms BuCH(CO₂Et)₂, which, after treatment with KOH and H₂SO₄, yields caproic acid (I). I treated with resorcinol in the presence of ZnCl₂ yields caproylresorcinol (II), b₂ 205-8°, b₁ 184-5°, m. 55-6°; oxime, shows m. 189-91° (from 50% EtOH). II undergoes a Clemmensen reduction to furnish hexylresorcinol in 70.5% yield. W. Jacobson

3

Serper, Ana

7

PUSCARU, E.
SURNAME (in code); Given Name

Country: Rumania

Academic Degree: Conf.

Affiliation: *)

Source: Bucharest, Parmania, No 6, 1961, pp 345-350.

Data: "Studies on the N-Methyl Series of Piperazine. II. Dynamic Acid Derivatives."

Co-authors:

ZDITA, V., Dr.
SERPER, Ana, Pharmacist
POPESCU, Margareta, Pharmacist
HOCHUNG, Jane, Pharmacist
GASNET, Ana, Pharmacist
SPATARIU, Rodica, Pharmacist

*) Work carried out at the Pharmaceutical Chemical Laboratory of the Faculty of Pharmacy (Laboratorul de Chimie Paracaceutica al Facultatii de Farmacie), Bucharest.

SCHERER, HAH

- (32)
- Rehakent, Rehakent, Vol. X, No. 2, Pub. 52
1. "The White Pollution of the USSR Environment," from
P. TORGOC, STATISTICAL SURVEY OF THE USSR,
DETERMINED; PP. 65-76.
2. "The Position of an Entrepreneur in the Proletarian Economy
of the Provinces," from Proletarian Economy,
pp. 77-79.
3. "Investigations in the Hospital-Research Service (Ural
Nitrogenic Acid and Nitrofertilizer and Chemical
Fertilizer Corporation) Action," from Proletarian
Economy, pp. 79-80.
- Dr. V. SOKOLOV, Pravda, USA, USSR, and East Germany,
"MENSO or the Laboratory for Insecticidal Substances
Laboratory (Institute of Parasitology) (Belorussia);
pp. 65-66.
4. "Investigations on the Antihelminthic Activity of
Certain Derivatives of the Nitro-Substituted Compounds
Investigation on the Basic Research, GNC, GOMZ,
Dr. P. G. DEDOVICH, Pravda, USA, USSR, and East Germany,
Dr. V. V. KARASIK, Pravda, USA, USSR, and East Germany,
"GEL-33 LIQUID," from Pravda, USA, USSR, and
(Belorussia); pp. 67-68.
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